sensors

an Open Access Journal by MDPI

IMPACT FACTOR 3.5

Indexed in: PubMed

CITESCORE 9.4

Sports Sensors for Athlete Motion Tracking and Physiological Monitoring

Guest Editors:

Dr. Carlos D. Gómez-Carmona

Prof. Dr. José Pino Ortega

Prof. Dr. Sergio José Ibáñez Godoy

Deadline for manuscript submissions:
closed (1 January 2025)

Message from the Guest Editors

Dear Colleagues,

This Special Issue provides a timely overview of state-of-the-art sensing capabilities for sporting applications and an analysis of the data such systems generate. The papers within this collection examine the latest developments across a range of sensor types, including wearable devices and integrated smart equipment, used to measure critical internal load parameters such as heart rate, muscle oxygenation, etc. This Special Issue also covers recent innovations in external workload monitoring, from GPS tracking systems, radio frequency-based position trackers, accelerometers and gyroscopes embedded in equipment and clothing to smartphone apps utilizing device's cameras and sensors. Additionally, this Special Issue also focuses on optical systems like photocells, laser distance trackers, and video analysis to quantify biomechanics, speed, and distances covered at high resolutions.

Topics of interest include, but are not limited to:

- sport training
- GPS tracking systems
- radio frequency-based position trackers
- athlete monitoring
- athlete motion tracking
- laser distance trackers
- inertial measurement unit
- physical and physiological analysis

sensors

IMPACT FACTOR 3.5 | Indexed in: PubMed | CITESCORE 9.4

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Department of Electrical and Information Engineering, Politecnico di Bari, Via Orabona 4, 70126 Bari, Italy

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Author Benefits

Open Access : free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.
Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
𝕏@Sensors_MDPI